

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

DATES OF THE SIGNATURES OF THE "MEMOIRES DE L'ACADEMIE IMPERIALE DES SCIENCES DE SAINT-PETERSBOURG. SERIES VI. SCIENCES MATHÉMATIQUES, PHYSIQUES ET NATURELLES."

BY P. L. RICKER.

A few years ago the author found it necessary to determine the exact dates of publication of several of the botanical parts of the above series. Original signatures of a number of these parts were found in the various Washington libraries, in green covers with the month of publication printed on the inside of the front cover, indicating that some of the parts at least were published from one to five years before the date on the title page of the bound volume.

The results of extensive search show that covers to only about half of the signatures of this series are apparently available in this country. The private library of Mr. A. S. Hitchcock assisted in some instances, and on his visit to the St. Petersburg Academy in 1902 he secured the assistance of Mr. D. I. Litwinow, curator of the Botanical Museum of the Academy, in an effort to complete the missing dates; but he was unable to get any additional dates from the Academy records or sets. As a last resort, Mr. B. B. Woodward, of the British Museum of Natural History, who has done considerable work of this nature, was appealed to, and to him and the British Museum authorities, who have preserved all of their signature covers of this series with dates of receipt of many of them, thanks are here extended for valuable assistance in completing the dates and verifying all of those obtained by the author.

VOL.	SECT.	LIVR.	PAGES.	PLS.	BULL. SCIENTIFIQUE.		DATE OF SIGNATURE.	SEEN AT LIBRARY.
					No.	PLATES.		
1:		1	1-116	1	1-X	0	Jan., 1830	A. S. Hitchcock, Bost. Soc. Nat. Hist. Phil. Acad. Nat. Sci., " " " " " " " " " " " " " " " "
		2	117-220	3	XI-XX	0	June, 1830	
		3	221-342	5	XXI-XXXVIII	0	Sept., 1830	
		4	345-462	1	XXXIX-LII	2	Dec., 1830	
		5	463-586	1	LIII-LVI	1	Feb., 1831	
		6	587-698	11	.....	.....	July, 1831
		} T. P. Ind. & Cont.		Not numbered	.....	Sept., 1831	
2:		1	1-102	2	1-XIV	0	Mar., 1832	Brit. Mus. Nat. Hist. Bost. Soc. Nat. Hist. & A. S. H. " " " " " " " " " " " " " " " "
		2	103-218	9	1-XXIV	0	Aug., 1832	
		3	219-328	9	1-XIV	1	Oct., 1832	
		4	329-478	1	1-XIV	0	Jan., 1833	
		5	479-568	15	1-VIII	1	June, 1833	
		6	569-676	2	1-XII	0	Oct., 1833	
		} T. P. Ind. & Cont. . . . .		.....	.....	Nov., 1833	
Sciences Mathematiques et Physiques, Vol. 1.								
3:		1	1-128	1	1-XVI	1	July, 1835	Phil. Acad. Nat. Sci. Brit. Mus. Nat. Hist. Phil. Acad. Nat. Sci. " " " " " " " " " " " "
		2	129-252	0	1-II*	0	Aug., 1835	
		3	253-340	2	.....	.....	May, 1836
		4	341-438	2	XLX-XXXVI	2	Dec., 1836	
		5	439-526	2	.....	.....	Oct., 1837
		6	527-600	1	.....	.....	June, 1838
		} T. P. Ind. & Cont. . . . .		.....	.....	.....
Sciences Naturelles, Vol. 1.								
3:		1	1-88	10	June, 1834	Phil. Acad. Nat. Sci. "
		2-3	89-356	1	.....	.....	Jan., 1835
		4	357-442	17	No longer issued with the memoirs.	.....	July, 1835
		5	443-541	16	.....	.....	Aug., 1835
		6	542-640	12	.....	.....	.....
				} T. P. Ind. & Cont.	

Sciences Mathematiques et Physiques, Vol. 2.

4 ¹ :	1-2 3 4 5-6	1-214 215-308 309-422 423-074 T. P. Ind. & Cont.	0 0 0 5 .	Mar., 1838 Oct., 1838 Apr., 1840 Dec., 1840 Apr., 1841	Brit. Mus. Nat. Hist. " " " " " " " " Smithsonian Inst.
Sciences Naturelles, Vol. 2.					
4 ² :	1 6 2 3 4-5	1-108 109-142 1-96 97-236 237-412 T. P. Ind. & Cont.	0 8 8 1 35 .	Mar., 1836 1838 Sept., 1836 Feb., 1837+ 1838 Mar., 1838	Phil. Acad. Nat. Sci. & A. S. H. Bost. Soc. Nat. Hist. Phil. Acad. Nat. Sci. Bost. Soc. Nat. Hist.

Sciences Mathematiques et Physiques, Vol. 3.

5 ¹ :	1 2 3-6	1-124 125-326 327-622 T. P. Ind. & Cont.	0 0 0 .	Oct., 1842 June, 1843 Apr., 1844	Brit. Mus. Nat. Hist. " " " " Smithsonian Inst.
Sciences Naturelles Vol. 3.					
5 ² :	3 4 1-2 5-6	1-90 91-190 1-238 239-426 T. P. Ind. & Cont.	22 18 24 22 .	Oct., 1839 Feb., 1840 Apr., 1839 Oct., 1840	Brit. Mus. Nat. Hist. U. S. Dept. Agr. Brit. Mus. Nat. Hist.

* No. II was paged I and II and should have been XVII and XVIII.
+ The date on the outside cover of this signature is erroneously given as 1836.

VOL.	SECT.	LIVR.	PAGES.	BULL. SCIENTIFIQUE.		DATE OF SIGNATURE.	SEEN AT LIBRARY.
				PLS. No.	PAGES. PLATES.		
Sciences Mathematiques et Physiques, Vol. 4.							
6 ¹ :	Appendice météorologique	1	1-108	3		May, 1841	Brit. Mus. Nat. Hist. " " " " " " " "
		2	109-206	0		Nov., 1845	
		3-4	207-518 } T. P. Ind. & Cont.	2		Oct., 1850	
		5-6	1-144	0		July, 1848	
Sciences Naturelles, Vol. 4.							
6 ² :	Botanique Zoologie et Physiologie	1-2	1-156	4		Nov., 1840	U. S. Dept. Agr. Brit. Mus. Nat. Hist. " " " " Smithsonian Inst.
		3-4	157-390	16		June, 1841	
		5	1-78	17		Sept., 1841	
		6	79-194 } T. P. Ind. & Cont.	10		May, 1845	
						July, 1845	
Sciences Mathematiques et Physiques, Vol. 5.							
7 ¹ :		1-2	1-202	0		June, 1848	Brit. Mus. Nat. Hist. " " " " " " " "
		3	203-302	2		Nov., 1849	
		4	303-406	0		May, 1850	
		5-6	407-548 } T. P. Ind. & Cont.	0		Apr., 1853	
Sciences Naturelles, Vol. 5.							
7 ² :	Botanique Zoologie et Physiologie	1-2	1-190	0		Mar., 1843*	Mo. Bot. Gard. Brit. Mus. Nat. Hist. " " " " Smithsonian Inst.
		3	191-298	8		1846	
		4	1-163	5		June, 1846	
		5-6	164-416 } T. P. Ind. & Cont.	25		Nov., 1849	

		Sciences Mathématiques et Physiques, Vol. 8.			
8 ¹ :		1-568	13	1857	Smithsonian Inst., and Brit. Mus. Nat. Hist.
		Sciences Naturelles, Vol. 8.			
8 ² :	(1-2 4 5-6 3	1-216 217-228 329-610 1-84 T. P. Ind. & Cont.	17 4 21 1	Feb., 1848 Nov., 1849 sic / Aug., 1849 Mar., 1849 Oct., 1849	Brit. Mus. Nat. Hist. " " " " " " " " Smithsonian Inst.
		Sciences Mathématiques et Physiques, Vol. 9.			
9 ¹ :		1-600	37	Dec. 15, 1858	Smithsonian Inst.
		Sciences Naturelles, Vol. 9.			
	{ . .	1-366 1-82	19 9	} Nov., 1855	Smithsonian Inst.
		Sciences Mathématiques et Physiques, Vol. 10, never issued.			
10 ² :		Sciences Naturelles, Vol. 10.			
		1-346	16	Sept., 1859	Smithsonian Inst.

* Author's separate issued 1842!

As some of the botanical parts have been cited by the titles of the articles, these titles with their correct pagination and dates are also given.

LIST OF BOTANICAL ARTICLES IN THE ABOVE SERIES.

- 1: 54-93. Graminum genera quaedam speciesque complures definitionibus novis illustravit, C. B. Trinius. Jan., 1830.
- 1: 353-416. Same title and author as above. (Continued.) Dec., 1830.
- 2: 601-655. Essai monographique sur les espèces D'Eriocaulon du Brésil, par M. Bongard. pls. 1-10. July, 1831.
- 2: 119-177. Observations sur la Végétation de L'Ile de Sitcha, par M. Bongard. pls. 1-7. Aug., 1832.
- 2: 219-237. Essai Monographique sur les espèces D'Eriocaulon du Brésil, [continued] par M. Bongard. pls. 11-19. Oct., 1832.
- 2: 239-337. Andropogineorum genera speciesque complures definitionibus novis; illustravit C. B. Trinius. Oct., 1832.
- 3²: 69-83. Generis Lacis revisio speciesque nonnullae novae adnexa est Philoerena, Genus e Podostemonearum ordine novum. Auctore H. G. Bongard. pls. 1-6. June, 1834.
- 3²: 85-87. Observation sur le Sedum verticillatum L. par M. Bongard. pl. 1. June, 1834.
- 3²: 89-346. Panicearum genera retractavit speciebusque compluribus illustravit C. B. Trinius. 1 pl. [not numbered]. June, 1834. This was reprinted and repaged 1-267. 1834.
- 3²: 545-560. Essai Monographique sur les espèces D'Eriocaulon du Brésil, [continued]. Par M. Bongard. pls. 20-27. Aug., 1835.
- 3²: 613-636. Bambusaceas quasdam novas describit C. B. Trinius. Aug., 1835. This was reprinted and repaged from 1-17.
- 4²: 1-108. Graminum in hisce actis a se editorum generibus ac speciebus supplementa addit C. B. Trinius. Mar. 1836. This is a supplement to the first two articles cited in this paper.
- 4²: 109-136. Bauhiniae et Pauletiae, especies Brasiliensis novae. Auctore H. G. Bongard. pls. 1-7. Mar., 1838.
- 4²: 137-142. Genera duo e Melastomacearum ordine novae. Auctore H. G. Bongard. 1 pl. [not numbered]. Mar., 1838.
- 5²: 1-8. Plantae quatuor Brasiliensis novae. Auctore H. G. Bongard. pls. 1-4. Oct., 1839.
- 5²: 9-29. Essai Monographique sur les espèces d'Eriocaulon du Brésil, [continued] par M. Bongard. pls. 28-35. Oct., 1839.
- 5²: 31-45. Compositae Brasiliensis novae. Auctore H. G. Bongard. pls. 1-9. Oct., 1839. Reprinted as "Descriptiones plantarum novarum." 1-15. 1839.
- 5²: 47-90. Phalarideae. Auctore C. B. Trinius. Oct., 1839.
- 5²: 91-165. Bambuseas Monographice exponit J. F. Ruprecht. pls. 1-18. Feb., 1840.
- 5²: 167-189. Genera Graminum exposuit C. B. Trinius. IV. Oryzea. Feb., 1840. This was reprinted and repaged 1-23. 1840.

- 6²: 1-22. Das *Alyssum minutum* und die zunaechst verwandten arten, monographisch bearbeitet und durch abbildungen erlaeutert; nebst einer uebersicht der arten der gattung *Psilonema*. Von C. A. Meyer. pls. 1-2. Nov., 1840.
- 6²: 23-134. Genera Graminum exposuit C. B. Trinius. V. Agrostidea. Nov., 1840. This was reprinted as "Agrostidea I. Vilfea." 1-112. 1840.
- 6²: 135-151. Einige bemerkungen ueber die Natürliche Familie der Polygonaceae. Erster artikel: Versuch einer naturgetreuen anordnung der gattungen dieser familie. Von C. A. Meyer. pl. 1. Nov., 1840.
- 6²: 153-156. *Uwarowia chrysanthemifolia* Bunge, descriptione et icone illustrata. Auctoribus F. E. L. Fischer et C. A. Meyer. pl. 1. Nov., 1840.
- 6²: 157-246. Verzeichniss der im jahre 1838 am Saisang-nor und am irtyrch gesammelten Pflanzen. Ein zweites supplement zur Flora Altaica. Angefangen von Dr. G. H. Bongard, beendiget von Dr. C. A. Meyer. pls. 1-16. June, 1841.
- 6²: 247-390. Gramina Agrostidea, II callus rotundus (Agrostea). Exposuit C. B. Trinius. This was reprinted as "Agrostidea, II. Callo rotundo (Agrostea)." 1-144. June, 1841.
- 7²: 1-189. Gramina Agrostidea, III. Callus obconicus. (Stipacea.) Exposuit C. B. Trinius et F. J. Ruprecht. Mar., 1843. This was issued in advance as "Species Graminum Stipacearum." 1-189. 1842.
- 7²: 191-223. Über einige *Cornus*-Arten, aus der abtheilung *Thelycrania*. Von C. A. Meyer. March, 1846.
- 7²: 225-298. Versuch einer Monographie der gattung *Ephedra*, durch abbildungen erlaeutert. Von C. A. Meyer. pls. 1-8. March, 1846.
- 8²: 1-39. Über die Zimmtrosen, insbesondere über die, in Russland wildwachsenden arten derselben. Ein Beitrag zu der Flora Russlands. Von C. A. Meyer. March, 1849.
- 8²: 41-58. De *Cirsiis Ruthenicis* nonnullis commentatio botanica. Auctore C. A. Meyer. March, 1849.
- 8²: 59-70. Bemerkungen über den Bau und das Wachsthum einiger grossen Algen-Stämme, und über die mittel, das Alter derselben zu bestimmen. Von F. J. Ruprecht. March, 1849.
- 8²: 71-81. Die Vegetation des rothen Meeres und ihre Beziehung zu den allgemeinen sätzen der Pflanzen-Geographie. Erlautert von F. J. Ruprecht. March, 1849.
- 9²: 1-24. Kleine Beiträge zur nähern Kenntniss der Flora Russlands. Von C. A. Meyer. Nov., 1855.
1. Plantarum species novae, in imperio Ruthenico sponte Crescentes, descriptionibus illustratae.
 2. Ueber einige *Crepis*-Arten aus dem caucasischen Florengebiete.
 3. Ueber *Astragalus galactites* Pall. und einige, mit demselben znnächst verwandte Arten.
- 9²: 25-54. Ueber das System der Rhodophyceae. Von F. J. Ruprecht. pl. 1. Nov., 1855.

9^o: 55–82. Neue oder unvollständig bekannte Pflanzen aus dem nördlichen Theile des stillen Oceans. Von F. J. Ruprecht. pl. 1–8. Nov., 1855.

Unfortunately very few libraries as yet have realized the importance of binding signature covers, either in their original position, or at the end of the volume. In the latter case, great care must be taken to mark on the signature cover the numbers of the included pages, as in some cases works issued in parts* contain folios from different parts of a volume, or from different volumes of the same work. It is also of great value, in determining priority in biological nomenclature, that the date of receipt of books and periodicals containing natural history articles be stamped on one of the title pages. This is of special value in works giving only the year of publication. Most of our periodicals and some of the irregular scientific serials are now giving the actual date of their publication.

Search for data on the above series led through the Congressional, Department of Agriculture, National Museum, Smithsonian Institution, Geological Survey, Philadelphia Academy, Astor, Columbia University, New York Botanical Garden, Missouri Botanical Garden, Boston Public, Massachusetts Horticultural Society, American Academy, Harvard University, and Boston Society of Natural History libraries. Most of these institutions had more or less complete bound sets; but the Boston Society of Natural History and Philadelphia Academy libraries were the only ones containing any number of bound signature covers of this series and these were very incomplete. This is accounted for largely by the fact that most of these institutions received their numbers at a time when the subject of priority had not demonstrated the value of determining the exact dates of publication.

* *c. g.* Engler und Prantl, Die Natürliche Pflanzenfamilien und Ascherson und Graebner, Synopsis der Mitteleuropäischen Flora.